



Spinlab

Bird Dog Plus

Finding Lost Revenue
Through In-Service Testing

Deregulation in the industry means keeping your nose to the ground and an eye toward the objective—**FINDING LOST REVENUE!**

With industry deregulation comes that great American sport :
COMPETITION.

That's why cost efficiencies are more important than ever. Spinlab understands the value of working smarter and faster to keep ahead of the game. We pioneered portable, in-service revenue testing products with the Bird Dog, and now we've developed a new and improved breed.

With our **Bird Dog Plus 6000/5000 Analyzer**, lost revenues are fair game...only on this hunt, there's no limit to your return on investment!

The Edison Electric Institute estimates \$4 billion in electrical revenues are lost to theft each year in the U.S. Staggering as this figure may be, industry experts believe it doesn't come close to revenue loss due to:

- * Errors after installation:
 - o Loose connections, wiring errors, or reversed CT's
 - o Wrong ratio, dual ratio, or overburdened circuit
- * Environmental problems:
 - o Corrosion – resistance buildup
 - o Wind/Vibration – loose connections
 - o Lightning – magnetized, shorted, or opened CT's
- * Manufacturer's defect:
 - o Incorrect labeling of the CT's nameplate (ratio or rated burden)
 - o Wrong placement of polarity dot

The **Bird Dog Plus** offers utilities **BIG** returns on investment.

By readily identifying most metering circuit problems, the Bird Dog Plus can save your company millions of dollars. Lightweight and portable, it's easy to handle, as well as easy to use, fast, and highly accurate. That's why we say Spinlab's Bird Dog is truly a meterman's best friend and a utility company's most competitive tool. Here's a sampling of our customer feedback:

- * A Northeastern utility company found over \$10 million in lost revenue in over four years time using Spinlab analyzers. The return on investment (ROI) was reported to be \$16 to every dollar spent on its revenue testing program.
- * A small municipal utility in the Southwest found over \$1 million in lost revenue in just 1 year.
- * Using Spinlab analyzers, a utility company in the Caribbean found over \$200,000 in lost revenue in the first **2 weeks**. That is over \$14,000 of lost revenue per day.



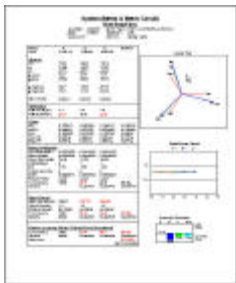
The Spinlab line of products allows you to find lost revenue by testing any meter circuit or meter in the field using the customer's load.

5000 Bird Dog Plus—This product is the foundation of Spinlab's product line. With it you can determine the accuracy of any CT-metered circuit in the field using the customer's load. The core capability of this unit allows you to perform a wiring, ratio, and burden test on a meter circuit with the push of one button. All data is stored in the unit for later upload to SpinGraph Reporting Software. Testing time is less than 10 minutes for a 3-phase circuit. The base unit weighs less than 7 pounds.



5000 MV Bird Dog Plus—In addition to testing the accuracy of meter circuits, this product will also test the accuracy of any CT-rated meter in the field using the customer's load with the meter in service. The accuracy is better than .2% using the laser or infrared sensors that mount on the surface of the meter. All of Spinlab's products are upgradeable to the next level of capability. This will insure your hardware investment for long into the future.

6000 Bird Dog Plus—This is Spinlab's newest addition to the family. This unit provides true 3-phase meter verification testing and can determine the accuracy of any meter or meter circuit in the field using the customer's load with the meter in service with just 1 test! Residential, CT-rated, or 3-phase self-contained meters can all be tested with this unit. All probes come pre-attached to the unit and never need to be disconnected. This will save you hours of time in the field!



SpinGraph & SpinGraph Deluxe—One of the most powerful tools in Spinlab's arsenal is SpinGraph Reporting Software. Using it, raw data can be turned into useful information with the click of a mouse for you to show to your customer, management, or to file. By uploading data to your PC, you are creating a database allowing you to instantly compare old and new data and easily identify issues before they become problems. With the Gain/Loss Analysis you can quantify in dollars how much money you are losing at any given site.

1500 High Voltage Kit—To perform ratio measurements on primary or overhead sites, the high voltage kit is indispensable. Simply attach it on the end of a hot stick, connect the fiber optic cable to the probe head and to the Bird Dog Plus, and put your probe head on the line. No ladder or bucket truck is required, and only one person is required to perform the test. Works on any low or high voltage line up to 230kV.



Load Box—This device allows you to add up to 50 amps to a circuit that has no load or not enough load to perform a test. You can use it on new installations that have not been energized, or back at the shop on old CTs that you have sitting on the bench or new CTs you just received from the manufacturer. The Load Box will work on any low-voltage donut or bar-type CT.



For more information on the 6000/5000 Bird Dog Plus, contact:

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Spinlab

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More about Spinlab ... a history rich in innovation, technology, and industry

Established in 1948 as the first private company "spin-off" of the Oak Ridge National Laboratory, Spinlab's initial project involved the development of nuclear research testing instrumentation. By the 1950's, the company began exploring other markets for testing equipment and found a niche in the textile industry, developing a product line for cotton fiber testing. In 1984, Spinlab developed the Bird Dog for the electrical power industry as a means to test the proper operation of utility metering circuits. The company's 5000 Bird Dog Plus was released in 1996 and represented the latest in meter circuit testing capabilities. The expansion of that technology resulted in SpinGraph Report Generation in 1998 and meter verification testing in 2001. Spinlab's latest creation is the 6000 Bird Dog Plus released in late 2004, designed to test 3-phase self-contained meters. Now, Spinlab's products will test any meter or meter circuit in the field.

As they begin their second 50 years on the "leading edge" of the 21st century, Spinlab has plans to continue its development of state-of-the-art testing equipment for the electrical power and other industry applications.



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